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Tony D. Givargis, Frank Vahid

May 2000 CODES '00: Proceedings of the eighth international workshop on code design

Publisher: ACM

Full text available: Pdf (101.74 KB) Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 13, Citation (

Continued growth in chip capacity has led to new methodologies stressing designed processing components, but even of entire pre-designed architectures a variety of applications, such architectures must ...

Keywords: cache, estimation, intellectual property, low power, on-chip system-on-a-chip

2 [A multiprocessor DSP system using PADDI-2](#)

Roy A. Sutton, Vasan P. Srin, Jan M. Rabaey

May 1998 DAC '98: Proceedings of the 35th annual conference on Design

Publisher: ACM

Full text available: Pdf (179.50 KB) Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 23, Citation (

We have integrated an image processing system built around PADDI-2, parallel DSP. The system includes image processing algorithms, a graph routing tools, compilers, hardware configuration and debugging ...

3 [A survey of structured and object-oriented software specification methods](#)

Roel Wieringa

December 1998 Computing Surveys (CSUR) . Volume 30 Issue 4

Publisher: ACM

Full text available: Pdf (605.26 KB) Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 486, Citation (

This article surveys techniques used in structured and object-oriented software specification methods. The techniques are classified as techniques for the specific

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and internal decomposition. The external specification techniques ...


Keywords: languages

4 [Object-oriented composition untangled](#)

 Klaus Ostermann, Mira Mezini

November 2001 OOPSLA '01: Proceedings of the 16th ACM SIGPLAN conference on programming, systems, languages, and applications

Publisher: ACM

Full text available:  Pdf (681.61 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 90, Citation (

Object-oriented languages come with pre-defined composition mechanisms, object composition, or delegation, each characterized by a certain set of rules which do not themselves individually exist as abstractions ...

Also published in:

November 2001 SIGPLAN Notices Volume 36 Issue 11

5 [Scheduling of real-time messages in optical broadcast-and-select networks](#)

Maurizio A. Bonuccelli, M. Claudia Cio

October 2001 IEEE/ ACM Transactions on Networking (TON) , Volume 9

Publisher: IEEE Press


Full text available:  Pdf (298.90 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 29, Citation (

In this paper, we consider broadcast-and-select networks based on optical single-hop networks, communicating pairs can exchange messages directly and store information at intermediate nodes for later forwarding. ...

Keywords: Approximating algorithms, complexity, feasibility test, multichannel systems, time-wavelength division multiplexing

6 [A single-package solution for wireless transceivers](#)

 Piet Wambacq, Stéphane Donnay, Hocine Ziad


January 1999 DATE '99: Proceedings of the conference on Design, automation and test in Europe

Publisher: ACM

Full text available:  Pdf (2.01 MB) Additional Information: [full citation](#), [references](#), [abstract](#)


Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 17, Citation (

7 [Partitioning and optimizing controllers synthesized from hierarchical models](#)

 Andrew Seawright, Wolfgang Mayer

May 1998 DAC '98: Proceedings of the 35th annual conference on Design automation in Europe

Publisher: ACM

Full text available:  Pdf (288.67 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 10, Citation (

This paper describes methods for partitioning and optimizing controllers

high-level descriptions. The methods utilize the structure of the high-level flexible exploration of the trade-off between ...


Keywords: intellectual property test, system-on-chip test, testing emb

8 Towards partially evaluating reflection in Java

 Mathias Braux, Jacques Noyé

January 2000 PEPM '00: Proceedings of the 2000 ACM SIGPLAN workshop semantics-based program manipulation

Publisher: ACM

Full text available:  Pdf (2.28 MB)

Additional Information: full citation, abstract, rel

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 37, Citation (

Reflection plays a major role in the programming of generic applications interpretation layer which is detrimental to performance. A solution con evaluation to remove this interpretation layer. This ...

Also published in:

November 1999 SIGPLAN Notices Volume 34 Issue 11

9 Protection interoperability for WDM optical networks

Olivier Crochat, Jean-Yves Le Boudec, Ornan Gerstel

June 2000 IEEE/ ACM Transactions on Networking (TON) , Volume 8 Issu

Publisher: IEEE Press


Full text available:  Pdf (284.28 KB)

Additional Information: full citation, references, cit

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 40, Citation (


Keywords: WDM, interoperability, optical network, protection, routing,

10 A study of exception handling and its dynamic optimization in Java

 Takeshi Ogawara, Hideaki Komatsu, Toshio Nakatani

November 2001 OOPSLA '01: Proceedings of the 16th ACM SIGPLAN confer programming, systems, languages, and applications

Publisher: ACM

Full text available:  Pdf (190.18 KB)

Additional Information: full citation, abstract, rel


Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 128, Citatio

Optimizing exception handling is critical for programs that frequently th observed that there are many such exception-intensive programs iin va programs. There are two commonly used exception handling techniques

Also published in:


November 2001 SIGPLAN Notices Volume 36 Issue 11

11 Experience in implementing a document delivery service

 Francesco Gennari, Laura Abba, Marina Buzzi, Maria G. Balestru, Silvana Ma

June 2000 DL '00: Proceedings of the fifth ACM conference on Digital libra

Publisher: ACM

Full text available:  Pdf (32.46 KB)


Additional Information: full citation, abstract, rel

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 14, Citation (

In this paper we propose an integration between electronic mail and we as library operators who need to send large files to Internet users. The libraries to continue using the e-mail service to send ...


Keywords: Internet document delivery service, MIME, Web, e-mail, lib

12 Linearity and the pi-calculus

 Naoki Kobayashi, Benjamin C. Pierce, David N. Turner

September 1999 Transactions on Programming Languages and Systems
Issue 5

Publisher: ACM


Full text available:  Pdf (402.81 KB) **Additional Information:** [full citation](#), [abstract](#), [rel](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 86, Citation

The economy and flexibility of the pi-calculus make it an attractive object clean basis for concurrent language design and implementation. However cost: encoding higher-level features like functional ...

Keywords: concurrency, confluence, linear types, pi-calculus, process

13 All-optical networks

 Samir Chatterjee, Suzanne Pawlowski


June 1999 Communications of the ACM, Volume 42 Issue 6

Publisher: ACM

Full text available:  Html (42.58 KB),  Pdf (296.73 KB) **Additional Information:** [full citation](#), [terms](#), [rel](#)


Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 166, Citation

14 A dataflow specification for system level synthesis of 3D graphics ap

 Chanik Park, Sungchan Kim, Soonhoi Ha

January 2001 ASP-DAC '01: Proceedings of the 2001 conference on Asia S
automation


Publisher: ACM

Full text available:  Pdf (300.77 KB) **Additional Information:** [full citation](#), [abstract](#), [rel](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 13, Citation

3D graphics is becoming an important application area together with multi dynamic behavior of 3D graphics application brings new challenges for synthesis methodologies. Although existing dataflow ...

15 Mobile UNITY: reasoning and specification in mobile computing

 Grigore-Catalin Roman, Peter J. McCann, Jerome Y. Plun

July 1997 Transactions on Software Engineering and Methodology
Publisher: ACM

Full text available:  Pdf (406.02 KB) **Additional Information:** [full citation](#), [abstract](#), [rel](#)


Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 69, Citation

Mobile computing represents a major point of departure from the tradition

paradigm. The potentially very large number of independent computing computing style, frequent disconnections, continuous position changes,


Keywords: formal methods, mobile UNITY, mobile computing, shared transient interactions, weak consistency

16 [Commutativity analysis: a new analysis technique for parallelizing co](#)

 Pedro C. Diniz / Martin C. Rinard

November 1997 Transactions on Programming Languages and Systems 6

Publisher: ACM

Full text available:  Pdf (472.62 KB)


Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 46, Citation (

This article presents a new analysis technique, commutativity analysis, parallelizing computations that manipulate dynamic, pointer-based data analysis views the computation as composed of operations on objects. .

Keywords: parallel computing

17 [Computing blocking probabilities in multiclass wavelength routing ne](#)

 Sridhar Ramesh, George N. Rouskas, Harry G. Perros

April 2000 Transactions on Modeling and Computer Simulation (TOM

Publisher: ACM

Full text available:  Pdf (194.01 KB)

Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 23, Citation (

We present an approximate analytical method to evaluate efficiently and blocking probabilities in wavelength routing networks with multiple class fairly general and allows each source-destination pair to service ...

Keywords: blocking probabilities, multiclass networks, wavelength division wavelength routing

18 [Off-line permutation embedding and scheduling in multiplexed optice topologies](#)

 Chunming Qiao, Yousong Mei

April 1999 IEEE/ ACM Transactions on Networking (TON) , Volume 7 Issi

Publisher: IEEE Press


Full text available:  Pdf (212.73 KB)

Additional Information: [full citation](#), [references](#),

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 31, Citation (

Keywords: WDM meshes, WDM rings, rearrangeable nonblocking, wavelength routing, wavelength-division multiplexing

19 [Operating system support for high-speed communication](#)

 Peter Druschel


September 1996 Communications of the ACM , Volume 39 Issue 9

Publisher: ACM

Full text available:  Pdf (313.01 KB) Additional Information: full citation, references,

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 58, Citation (

20 The fault span of crash failures

 George Varghese, Mahesh Jayaram

March 2000 Journal of the ACM (JACM) , Volume 47 Issue 2

Publisher: ACM

Full text available:  Pdf (399.63 KB) Additional Information: full citation, abstract, rel

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 51, Citation (

A crashing network protocol is an asynchronous protocol whose memory
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